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 ? Derwent Title: **Method for reducing chronic tissular hypoxia**

 ? Original Title: ☒ **RU2133629C1: METHOD FOR REDUCING CHRONIC TISSULAR HYPOXIA**

 ? Assignee: **PARATSELS CO LTD Soviet institute**

 ? Inventor: **LEVKIN S F; NENASHEV A A;**

 ? Accession/  
Update: **2000-385489 / 200033**

 ? IPC Code: **A61M 16/00 ; A61M 16/10 ; A61M 16/12 ; A61M 16/16 ; G01N 33/49 ;**

 ? Derwent Classes: **B04; P34; S03;**

 ? Manual Codes: **B11-C08E(Biological procedures for testing [general]) , B12-K04A(Diagnosis of diseases or conditions in animals general) , S03-E14H(Investigation methods for biological material) , S03-E14H1(Investigation methods for blood)**

? Derwent Abstract: (RU2133629C) **Novelty** - Method involves applying a course of treatments like periodic hypercapnic gas mixture inspirations mainly based on atmospheric air in keeping nitrogen contents in composition unchanged. Carbon dioxide initial concentration is to be measured in patient in rest state in arterial blood. The quantity of 0.05-0.35 times the measured one is taken as carbon dioxide concentration in primary gas mixture for inspiration. Carbon dioxide concentration is increased in the primary inspiration gas mixture by 0.003-0.03 of initial carbon dioxide concentration in patient arterial blood in rest state in every following treatment. The course is applied until arteriovenous difference in oxygen contents reaches maximum value.

**Use** - Medicine.

**Advantage** - Reduced tissue hypoxia; respiration center readaptation.

Dwg.0/0

? Family: **PDF Patent Pub. Date Derwent Update Pages Language IPC Code**

☒ **RU2133629C1** \* 1999-07-27 200033 English A61M 16/00

Local appls.: **RU1998000105985** Filed:1998-04-03 (98RU-0105985)

? Priority Number:

Application Number	Filed	Original Title
<b>RU1998000105985</b>	1998-04-03	<b>METHOD FOR REDUCING CHRONIC TISSULAR HYPOXIA</b>

 ? Title Terms: **METHOD REDUCE CHRONIC HYPOXIA**
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## METHOD FOR REDUCING CHRONIC TISSULAR HYPOXIA

**Patent number:** RU2133629  
**Publication date:** 1999-07-27  
**Inventor:** NENASHEV A A; LEVKIN S F  
**Applicant:** PANIJA PARATSEL S;; OBSHCHESTVO S  
OGRANICHENNOJ OT  
**Classification:**  
**- international:** A61M16/00; A61M16/10; A61M16/12; A61M16/16;  
G01N33/49  
**- european:**  
**Application number:** RU19980105985 19980403  
**Priority number(s):** RU19980105985 19980403

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### Abstract of RU2133629

**FIELD:** medicine. **SUBSTANCE:** method involves applying a course of treatments like periodic hypercapnic gas mixture inspirations mainly based on atmospheric air in keeping nitrogen contents in composition unchanged. Carbon dioxide initial concentration is to be measured in patient in rest state in arterial blood. The quantity of 0.05-0.35 times the measured one is taken as carbon dioxide concentration in primary gas mixture for inspiration. Carbon dioxide concentration is increased in the primary inspiration gas mixture by 0.003-0.03 of initial carbon dioxide concentration in patient arterial blood in rest state in every following treatment. The course is applied until arteriovenous difference in oxygen contents reaches maximum value. **EFFECT:** reduced tissue hypoxia; respiration center readaptation.

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